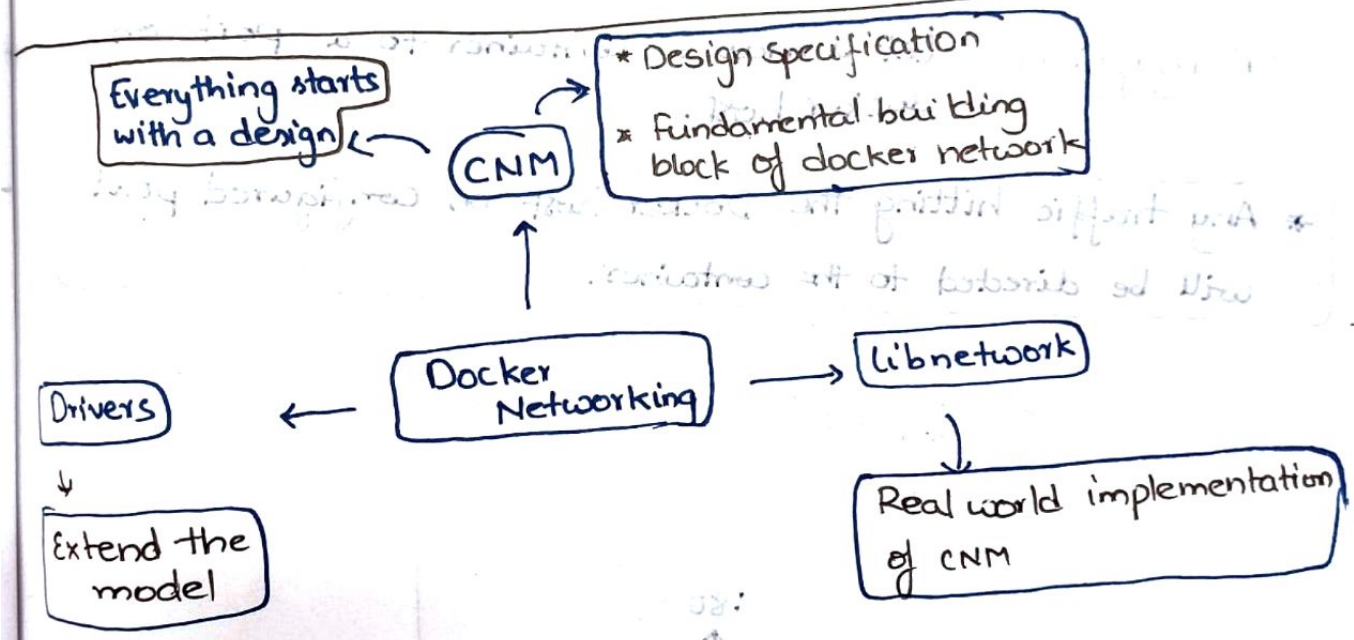
Docker Networking (No network, no app)

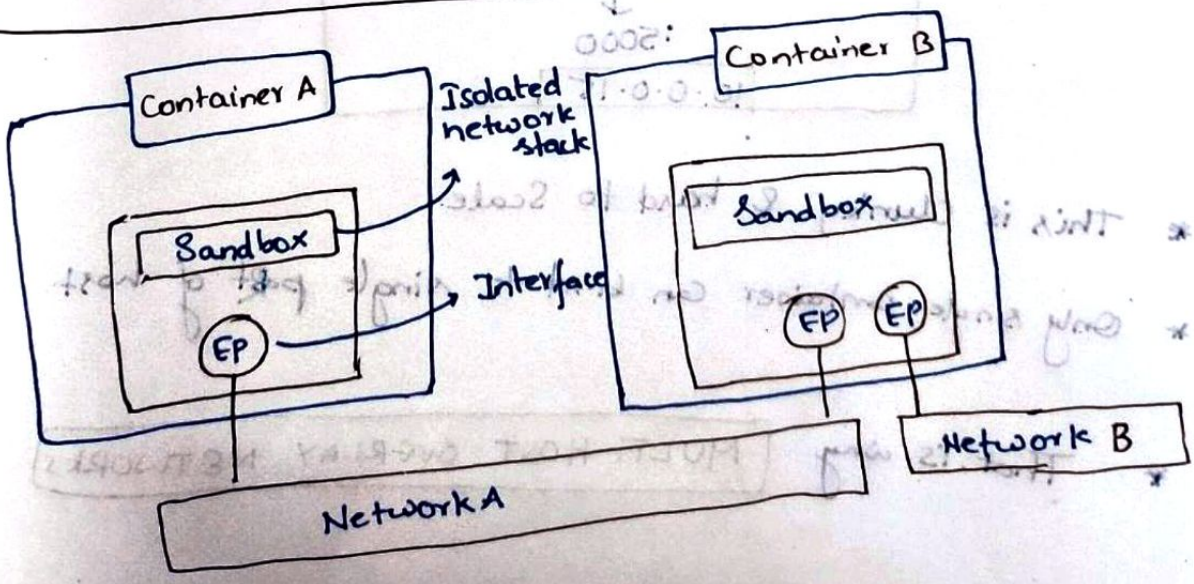
container to Container networks → micro services

connecting to existing networks & VLANs

↳ to interact with services on VMs & physical servers.

libnetwork → Real world implementation of Container Networ Model (CNM)





Single-Host bridge Networks

↳ created using built in bridge driver.

* Single Host

* Every docker host gets a **default single-host network**
  ↳ called "bridge" on Linux.
  ↳ **By DEFAULT** this is the network all new Containers are connected to unless overriden by --network flag.

Containers on bridge network can only communicate with other ~~network~~ Containers on the same network

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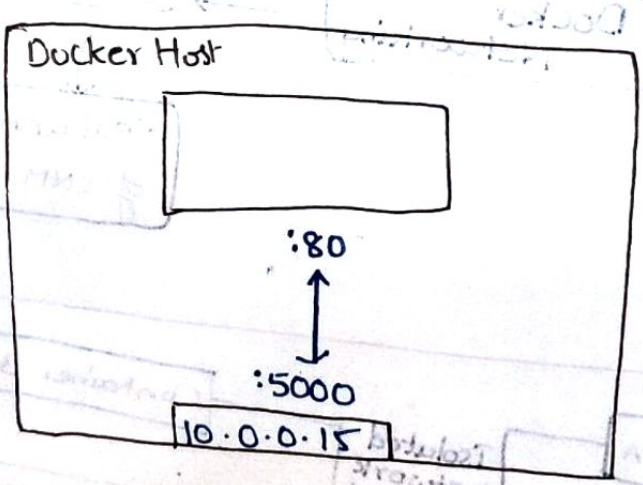
Port mapping:- Let u map a Container to a port on docker host.

* Any traffic hitting the Docker host on configured port will be directed to the container.



* This is clunky & hard to Scale.
* Only single container can bind to single port of host
* That is why **MULTI HOST OVERLAY NETWORKS**

Service Discovery :- (Network Scoped)

Used to find other Containers on the same network using DNS.

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docker network ls / create / inspect / prune / rm
